

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/521,049
Source: PG/10
Date Processed by STIC: 1/25/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 01/25/2005

PATENT APPLICATION: US/10/521,049

TIME: 09:07:21

Input Set : D:\SONN066.txt

Output Set: N:\CRF4\01252005\J521049.raw

3 <110> APPLICANT: KONTSEKOVA, EVA
 4 FILIPCIK, PETER
 6 <120> TITLE OF INVENTION: TRANSGENIC ANIMAL EXPRESSING ALZHEIMER'S TAU PROTEIN
 8 <130> FILE REFERENCE: SONN:066US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/521,049
 11 <141> CURRENT FILING DATE: 2005-01-12
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/007390
 14 <151> PRIOR FILING DATE: 2003-07-09
 16 <150> PRIOR APPLICATION NUMBER: A 1053/2002
 17 <151> PRIOR FILING DATE: 2002-07-12
 19 <160> NUMBER OF SEQ ID NOS: 19
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 969
 25 <212> TYPE: DNA
 26 <213> ORGANISM: human
 28 <400> SEQUENCE: 1
 29 atgcaccaag accaagaggg tgacacggac gctggcctga aagctgaaga agcaggcatt 60
 31 ggagacaccc ccagcctgga agacgaagct gctggtcacg tgaccaagc tcgcatggtc 120
 33 agtaaaagca aagacgggac tgggaagcgat gacaaaaaag ccaagggggc tgatggtaaa 180
 35 acgaagatcg ccacaccgag gggagcagcc cctccaggcc agaagggcca ggccaacgcc 240
 37 accaggattc cagcaaaaac cccgcccgt ccaaagacac caccagctc tggatgaacct 300
 39 ccaaaatcag gggatcgag cggtacagc agccccggc cccaggcac tcccggcagc 360
 41 cgctcccga ccccgctcc tccaacccca cccacccggg agcccaagaa ggtggcagtg 420
 43 gtccgtactc caccgaagtc gccgtcttcc gccaaagagc gcctgcagac agcccccggtg 480
 45 cccatgccag acctgaagaa tgtcaagtcc aagatcggct cactgagaa cctgaagcac 540
 47 cagccgggag gcgggaaggt gcagataatt aataagaagc tggatcttag caacgtccag 600
 49 tccaagtgtg gctcaaagga taatatcaaa cacgtcccgg gaggcggcag tgtgcaaata 660
 51 gtctacaaaac cagttgacct gagcaagggtg acctccaagt gtggctcatt aggcaacatc 720
 53 catcataaac caggaggtgg ccagggtggaa gtaaaatctg agaagcttga cttcaaggac 780
 55 agagtccagt cgaagattgg gtccctggac aatatcacc acgtccctgg cggaggaaat 840
 57 aaaaagattg aaaccacaa gctgaccttc cgcgagaacg ccaaagccaa gacagaccac 900
 59 ggggcggaga tcgtgtacaa gtcgccagtg gtgtctgggg acacgtctcc acggcatctc 960
 61 agcaatgtc 969
 64 <210> SEQ ID NO: 2
 65 <211> LENGTH: 795
 66 <212> TYPE: DNA
 67 <213> ORGANISM: human
 69 <400> SEQUENCE: 2
 70 atggtcagta aaagcaaaga cgggactgga agcgatgaca aaaaagccaa gggggctgat 60
 72 ggtaaaacga agatcgccac accgcgggga gcagccctc caggccagaa gggccaggcc 120
 74 aacgccacca ggattccagc aaaaacccc cccgtccaa agacaccacc cagctctggg 180
 76 gaacctccaa aatcagggga tcgcagcggc tacagcagcc ccggctcccc aggcactccc 240

RAW SEQUENCE LISTING

DATE: 01/25/2005

PATENT APPLICATION: US/10/521,049

TIME: 09:07:21

Input Set : D:\SONN066.txt

Output Set : N:\CRF4\01252005\J521049.raw

```

78 ggcagccgct cccgcacccc gtcccttcca accccaccca cccgggagcc caagaagggtg 300
80 gcagtgggtcc gtactccacc caagtgcgcg tcttcgcca agagccgcct gcagacagcc 360
82 cccgtgccc tgccagacct gaagaatgtc aagtccaaga tcgggtccac tgagaacctg 420
84 aagcaccagc cgggaggcgg gaaggtgcag ataattaata agaagctgga tcttagcaac 480
86 gtccagtcca agtgtggctc aaaggataat atcaaacacg tcccgggagg cggcagtgtg 540
88 caaatagtct acaaaccagt tgacctgagc aaggtgacct ccaagtgtgg ctcataggc 600
90 aacatccatc ataaaccagg aggtggccag gtggaagtaa aatctgagaa gcttgacttc 660
92 aaggacagag tccagtcgaa gattgggtcc ctggacaata taccacacgt ccctggcgga 720
94 ggaaataaaa agattgaaac ccacaagctg accttcgcg agaacgcaa agccaagaca 780
96 gaccacgggg cggag 795
99 <210> SEQ ID NO: 3
100 <211> LENGTH: 723
101 <212> TYPE: DNA
102 <213> ORGANISM: human
104 <400> SEQUENCE: 3
105 atcgccacac cgcggggagc agcccctcca ggcagaagg gccaggccaa cgccaccagg 60
107 attccagcaa aaaccccgc cgtccaaag acaccacca gctctggtga acctccaaaa 120
109 tcaggggacg gcagcgcta cagcagcccc ggctcccag gcactcccg cagccgctcc 180
111 cgcaccccg ccttccaac cccaccacc cgggagccca agaaggtggc agtggtcgt 240
113 actccacca agtcgcgctc ttcgccaag agccgcctgc agacagccc cgtgcccag 300
115 ccagacctga agaattgcaa gtccaagatc ggctccactg agaacctgaa gcaccagccg 360
117 ggaggcgagg aggtgcagat aattaataag aagctggatc ttagcaacgt ccagtccaag 420
119 tgtggctcaa aggataatat caaacacgtc ccgggaggcg gcagtgtgca aatagtctac 480
121 aaaccagttg acctgagcaa ggtgacctcc aagtgtggct cattaggcaa catccatcat 540
123 aaaccaggag gtggccagg ggaagtaaaa tctgagaagc ttgacttcaa ggacagagtc 600
125 cagtcgaaga ttgggtccct ggacaatatc acccacgtcc ctggcgagg aaataaaaag 660
127 attgaaaccc acaagctgac cttccgcgag aacgcaaag ccaagacaga ccacggggcg 720
129 gag 723
132 <210> SEQ ID NO: 4
133 <211> LENGTH: 885
134 <212> TYPE: DNA
135 <213> ORGANISM: human
137 <400> SEQUENCE: 4
138 atggtcagta aaagcaaaga cgggactgga agcgatgaca aaaaagccaa gggggctgat 60
140 ggtaaaacga agatcgccac accgcgggga gcagcccctc caggccagaa gggccaggcc 120
142 aacgccacca ggattccagc aaaaacccc cccgtccaa agacaccacc cagctctggt 180
144 gaacctcaa aatcagggga tcgcagcggc tacagcagcc ccggtcccc aggcactccc 240
146 ggcagccgct cccgcacccc gtcccttcca accccaccca cccgggagcc caagaagggtg 300
148 gcagtgggtcc gtactccacc caagtgcgcg tcttcgcca agagccgcct gcagacagcc 360
150 cccgtgccc tgccagacct gaagaatgtc aagtccaaga tcgggtccac tgagaacctg 420
152 aagcaccagc cgggaggcgg gaaggtgcag ataattaata agaagctgga tcttagcaac 480
154 gtccagtcca agtgtggctc aaaggataat atcaaacacg tcccgggagg cggcagtgtg 540
156 caaatagtct acaaaccagt tgacctgagc aaggtgacct ccaagtgtgg ctcataggc 600
158 aacatccatc ataaaccagg aggtggccag gtggaagtaa aatctgagaa gcttgacttc 660
160 aaggacagag tccagtcgaa gattgggtcc ctggacaata taccacacgt ccctggcgga 720
162 ggaaataaaa agattgaaac ccacaagctg accttcgcg agaacgcaa agccaagaca 780
164 gaccacgggg cggagatcgt gtacaagtcg ccagtgggtg ctggggacac gtctccacgg 840
166 catctcagca atgtctctc caccggcagc atcgacatgg tagac 885
169 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING

DATE: 01/25/2005

PATENT APPLICATION: US/10/521,049

TIME: 09:07:21

Input Set : D:\SONN066.txt

Output Set: N:\CRF4\01252005\J521049.raw

```

170 <211> LENGTH: 813
171 <212> TYPE: DNA
172 <213> ORGANISM: human
174 <400> SEQUENCE: 5
175 atcgccacac cgcggggagc agccctcca ggcagaagg gccaggccaa cgccaccagg 60
177 attccagcaa aaaccccgcc cgctccaaag acaccacca gctctggtga acctccaaaa 120
179 tcaggggata gcagcggcta cagcagcccc ggctccccag gcaactccgg cagccgctcc 180
181 cgcaccccgct cccttccaac cccaccacc cgggagccca agaagggtgg agtgggtccg 240
183 actccaccca agtcgcccgc ttccgccaag agccgcctgc agacagcccc cgtgcccatg 300
185 ccagacctga agaattgtcaa gtccaagatc ggctccactg agaacctgaa gcaccagccg 360
187 ggaggcgagg aggtgcagat aattaataag aagctggatc ttagcaactg ccagtccaag 420
189 tgtgggtcaa aggataatat caaacacgtc ccgggaggcg gcagtgtgca aatagtctac 480
191 aaaccagttg acctgagcaa ggtgacctcc aagtgtggct cattaggcaa catccatcat 540
193 aaaccaggag gtggccagggt ggaagtaaaa tctgagaagc ttgacttcaa ggacagagtc 600
195 cagtccaaga ttgggtccct ggacaatatc acccagctcc ctggcggagg aaataaaaag 660
197 attgaaaccc acaagctgac ctccgcgag aacgccaaag ccaagacaga ccacggggcg 720
199 gagatcgtgt acaagtcgcc agtgggtgtc ggggacacgt ctccacggca tctcagcaat 780
201 gtctcctcca ccggcagcat cgacatggtg gac 813
204 <210> SEQ ID NO: 6
205 <211> LENGTH: 285
206 <212> TYPE: DNA
207 <213> ORGANISM: human
209 <400> SEQUENCE: 6
210 atcaaacacg tcccgggagg cggcagtggt caaatagtct acaaaccagt tgacctgagc 60
212 aaggtgacct ccaagtgtgg ctcataggc aacatccatc ataaaccagg aggtggccag 120
214 gtggaagtaa aatctgagaa gcttgacttc aaggacagag tccagtcgaa gattgggtcc 180
216 ctggacaata tcaccacgt ccctggcgga ggaaataaaa agattgaaac ccacaagctg 240
218 accttcgcg agaacgcaa agccaagaca gaccacgggg cggag 285
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 291
223 <212> TYPE: DNA
224 <213> ORGANISM: human
226 <400> SEQUENCE: 7
227 gataatatca aacacgtccc gggaggcggc agtgtgcaaa tagtctacaa accagttgac 60
229 ctgagcaagg tgacctccaa gtgtgggtca ttaggcaaca tccatcataa accaggagggt 120
231 ggccaggtgg aagtaaaatc tgagaagctt gacttcaagg acagagtcca gtcgaagatt 180
233 ggggtccctgg acaatatcac ccacgtccct ggcggaggaa ataaaaagat tgaaaccac 240
235 aagctgacct tccgcgagaa cgccaaagcc aagacagacc acggggcgga g 291
238 <210> SEQ ID NO: 8
239 <211> LENGTH: 240
240 <212> TYPE: DNA
241 <213> ORGANISM: human
243 <400> SEQUENCE: 8
244 atcaaacacg tcccgggagg cggcagtggt caaatagtct acaaaccagt tgacctgagc 60
246 aaggtgacct ccaagtgtgg ctcataggc aacatccatc ataaaccagg aggtggccag 120
248 gtggaagtaa aatctgagaa gcttgacttc aaggacagag tccagtcgaa gattgggtcc 180
250 ctggacaata tcaccacgt ccctggcgga ggaaataaaa agattgaaac ccacaagctg 240
253 <210> SEQ ID NO: 9
254 <211> LENGTH: 189

```

RAW SEQUENCE LISTING

DATE: 01/25/2005

PATENT APPLICATION: US/10/521,049

TIME: 09:07:21

Input Set : D:\SONN066.txt

Output Set : N:\CRF4\01252005\J521049.raw

```

255 <212> TYPE: DNA
256 <213> ORGANISM: human
258 <400> SEQUENCE: 9
259 gtgcaaataag tctacaaacc agttgacctg agcaaggtga cctccaagtg tggctcatta      60
261 ggcaacatcc atcataaacc aggaggtggc caggtggaag taaaatctga gaagcttgac      120
263 ttcaaggaca gagtccagtc gaagattggg tccctggaca atatcaccca cgtccctggc      180
265 ggaggaaat                                     189
268 <210> SEQ ID NO: 10
269 <211> LENGTH: 876
270 <212> TYPE: DNA
271 <213> ORGANISM: human
273 <400> SEQUENCE: 10
274 atgcaccaag accaagaggg tgacacggac gctggcctga aagctgaaga agcaggcatt      60
276 ggagacaccc ccagcctgga agacgaagct gctggtcacg tgaccaagc tcgcatggtc      120
278 agtaaaagca aagacgggac tgggaagcga gacaaaaaag ccaagggggc tgatggtaaa      180
280 acgaagatcg ccacaccgcg gggagcagcc cctccaggcc agaagggcca ggccaacgcc      240
282 accaggattc cagcaaaaac cccgcccgtc ccaaagacac ccccagctc tggatgaacct      300
284 ccaaaatcag gggatcgag cggtacagc agccccggct cccagggcac tcccggcagc      360
286 cgctcccgca ccccgccct tccaacccca cccaccggg agcccaagaa ggtggcagtg      420
288 gtccgtactc cacccaagtc gccgtcttcc gccaaagacc gcctgcagac agcccccgctg      480
290 cccatgccag acctgaagaa tgtcaagtc aagatcggt cactgagaa cctgaagcac      540
292 cagccgggag gcgggaaggt gcaaatagtc tacaaccag ttgacctgag caaggtgacc      600
294 tccaagtgtg gctcattagg caacatccat cataaaccag gaggtggcca ggtggaagta      660
296 aaatctgaga agcttgactt caaggacaga gtccagtcga agattgggtc cctggacaat      720
298 atcacccacg tccctggcgg aggaaataaa aagattgaaa cccacaagct gaccttccgc      780
300 gagaacgcca aagccaagac agaccacggg gcggagatcg tgtacaagtc gccagtgggtg      840
302 tctggggaca cgtctccacg gcatctcagc aatgtc                                     876
305 <210> SEQ ID NO: 11
306 <211> LENGTH: 702
307 <212> TYPE: DNA
308 <213> ORGANISM: human
310 <400> SEQUENCE: 11
311 atggtcagta aaagcaaaga cgggactgga agcgatgaca aaaaagccaa gggggctgat      60
313 ggtaaaacga agatcgccac accgcgggga gcagcccctc caggccagaa gggccaggcc      120
315 aacgccacca ggattccagc aaaaaccccg cccgctccaa agacaccacc cagctctggt      180
317 gaacctccaa aatcagggga tcgcagcggc tacagcagcc ccggctcccc aggcactccc      240
319 ggcagccgct cccgcacccc gtcccttcca accccaccca cccgggagcc caagaagggtg      300
321 gcagtgggtc gtactccacc caagtgcgcg tcttccgcca agagccgct gcagacagcc      360
323 cccgtgcccc tgccagacct gaagaatgtc aagtccaaga tcggctccac tgagaacctg      420
325 aagcaccagc cgggagggcg gaaggtgcaa atagtctaca aaccagttga cctgagcaag      480
327 tgacctcca agtgtggctc attaggcaac atccatcata aaccaggagg tggccagggtg      540
329 gaagtaaaat ctgagaagct tgacttcaag gacagagtc agtcgaagat tgggtccctg      600
331 gacaatatca cccacgtccc tggcggagga aataaaaaga ttgaaacca caagctgacc      660
333 ttccgcgaga acgccaagc caagacagac caccggggcg ag                                     702
336 <210> SEQ ID NO: 12
337 <211> LENGTH: 630
338 <212> TYPE: DNA
339 <213> ORGANISM: human
341 <400> SEQUENCE: 12

```

RAW SEQUENCE LISTING

DATE: 01/25/2005

PATENT APPLICATION: US/10/521,049

TIME: 09:07:21

Input Set : D:\SONN066.txt

Output Set: N:\CRF4\01252005\J521049.raw

```

342 atcgccacac cgcggggagc agcccctcca ggccagaagg gccaggccaa cgccaccagg      60
344 attccagcaa aaaccccgcc cgctccaaag acaccaccca gctctggtga acctccaaaa      120
346 tcaggggatc gcagcggcta cagcagcccc ggctccccag gcaactcccg cagccgctcc      180
348 cgcaccccggt cccttccaac cccaccacc cgggagccca agaaggtggc agtggtcctg      240
350 actccaccca agtcgcccgc ttccgccaag agccgcctgc agacagcccc cgtgcccatt      300
352 ccagacctga agaattgtcaa gtccaagatc ggctccactg agaacctgaa gcaccagccg      360
354 ggaggcggga aggtgcaaat agtctacaaa ccagttgacc tgagcaagggt gacctccaag      420
356 tgtggctcat taggcaacat ccatcataaa ccaggagggt gccagggtga agtaaaatct      480
358 gagaagcttg acttcaagga cagagtcagc tcgaagattg ggtccctgga caatatcacc      540
360 cacgtccctg gcggaggaaa taaaagatt gaaaccacac agctgacctt ccgcgagaac      600
362 gccaaagcca agacagacca cggggcggag                                     630
365 <210> SEQ ID NO: 13
366 <211> LENGTH: 792
367 <212> TYPE: DNA
368 <213> ORGANISM: human
370 <400> SEQUENCE: 13
371 atggtcagta aaagcaaaga cgggactgga agcgatgaca aaaaagccaa gggggctgat      60
373 ggtaaaacga agatcgccac accgcgggga gcagcccctc caggccagaa gggccaggcc      120
375 aacgccacca ggattccagc aaaaaccccg cccgctccaa agacaccacc cagctctggt      180
377 gaacctccaa aatcagggga tcgcagcggc tacagcagcc ccggtccccc aggcactccc      240
379 ggcagccgct cccgcacccc gtcccttcca accccaccca cccgggagcc caagaagggtg      300
381 gcagtgggtc gtactccacc caagtgcgag tcttcgcca agagccgct gcagacagcc      360
383 cccgtgcccc tgccagacct gaagaatgtc aagtccaaga tcgggtccac tgagaacctg      420
385 aagcaccagc cgggaggcgg gaaggtgcaa atagtctaca aaccagttga cctgagcaag      480
387 gtgacctcca agtgtggctc attaggcaac atccatcata aaccaggagg tggccagggtg      540
389 gaagtaaaat ctgagaagct tgacttcaag gacagagtc agtcgaagat tgggtccctg      600
391 gacaatatca cccacgtccc tggcggagga aataaaaaga ttgaaaccca caagctgacc      660
393 ttccgcgaga acgcccgaag caagacagac cagggggcgg agatcgtgta caagtcgcca      720
395 gtggtgtctg gggacacgtc tccacggcat ctcagcaatg tctcctccac cggcagcatc      780
397 gacatggtag ac                                     792
400 <210> SEQ ID NO: 14
401 <211> LENGTH: 720
402 <212> TYPE: DNA
403 <213> ORGANISM: human
405 <400> SEQUENCE: 14
406 atcgccacac cgcggggagc agcccctcca ggccagaagg gccaggccaa cgccaccagg      60
408 attccagcaa aaaccccgcc cgctccaaag acaccaccca gctctggtga acctccaaaa      120
410 tcaggggatc gcagcggcta cagcagcccc ggctccccag gcaactcccg cagccgctcc      180
412 cgcaccccggt cccttccaac cccaccacc cgggagccca agaaggtggc agtggtcctg      240
414 actccaccca agtcgcccgc ttccgccaag agccgcctgc agacagcccc cgtgcccatt      300
416 ccagacctga agaattgtcaa gtccaagatc ggctccactg agaacctgaa gcaccagccg      360
418 ggaggcggga aggtgcaaat agtctacaaa ccagttgacc tgagcaagggt gacctccaag      420
420 tgtggctcat taggcaacat ccatcataaa ccaggagggt gccagggtga agtaaaatct      480
422 gagaagcttg acttcaagga cagagtcagc tcgaagattg ggtccctgga caatatcacc      540
424 cacgtccctg gcggaggaaa taaaagatt gaaaccacac agctgacctt ccgcgagaac      600
426 gccaaagcca agacagacca cggggcggag atcgtgtaca agtcgccagt ggtgtctggg      660
428 gacacgtctc cagggcatct cagcaatgtc tctccaccg gcagcatcga catggtagac      720
431 <210> SEQ ID NO: 15
432 <211> LENGTH: 2946

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/521,049

DATE: 01/25/2005

TIME: 09:07:22

Input Set : D:\SONN066.txt

Output Set: N:\CRF4\01252005\J521049.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number